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        FILE 'CAPLUS, WPIX, USPATFULL, USPAT2' ENTERED AT 12:32:07 ON 27 MAY 2006
                   E KULKARNI S/AU
L1           69 SEA ABB=ON   PLU=ON   "KULKARNI S"/AU
L2           52 SEA ABB=ON   PLU=ON   "KULKARNI S"/AU
L3            0 SEA ABB=ON   PLU=ON   "KULKARNI S"/AU
L4            0 SEA ABB=ON   PLU=ON   "KULKARNI S"/AU
        TOTAL FOR ALL FILES
L5          121 SEA ABB=ON   PLU=ON   "KULKARNI S"/AU
                   E KULKARNI SANDEEP/AU
L6           16 SEA ABB=ON   PLU=ON   "KULKARNI SANDEEP"/AU
L7            0 SEA ABB=ON   PLU=ON   "KULKARNI SANDEEP"/AU
L8            7 SEA ABB=ON   PLU=ON   "KULKARNI SANDEEP"/AU
L9            1 SEA ABB=ON   PLU=ON   "KULKARNI SANDEEP"/AU
        TOTAL FOR ALL FILES
L10          24 SEA ABB=ON   PLU=ON   "KULKARNI SANDEEP"/AU
                   E LING Y/AU
L11          42 SEA ABB=ON   PLU=ON   "LING Y"/AU
L12         151 SEA ABB=ON   PLU=ON   "LING Y"/AU
L13           0 SEA ABB=ON   PLU=ON   "LING Y"/AU
L14           0 SEA ABB=ON   PLU=ON   "LING Y"/AU
        TOTAL FOR ALL FILES
L15         193 SEA ABB=ON   PLU=ON   "LING Y"/AU
                   E LING YUAN/AU
L16           3 SEA ABB=ON   PLU=ON   "LING YUAN"/AU
L17           0 SEA ABB=ON   PLU=ON   "LING YUAN"/AU
L18           2 SEA ABB=ON   PLU=ON   "LING YUAN"/AU
L19           1 SEA ABB=ON   PLU=ON   "LING YUAN"/AU
        TOTAL FOR ALL FILES
L20           6 SEA ABB=ON   PLU=ON   "LING YUAN"/AU
L21           5 DUP REM L20 (1 DUPLICATE REMOVED)
                   D 1-5 BIB AB
                   E WILLIAMS R/AU
L22         327 SEA ABB=ON   PLU=ON   "WILLIAMS R"/AU
L23         251 SEA ABB=ON   PLU=ON   "WILLIAMS R"/AU
L24           0 SEA ABB=ON   PLU=ON   "WILLIAMS R"/AU
L25           0 SEA ABB=ON   PLU=ON   "WILLIAMS R"/AU
        TOTAL FOR ALL FILES
L26         578 SEA ABB=ON   PLU=ON   "WILLIAMS R"/AU
                   E WILLIAMS R C/AU
L27         119 SEA ABB=ON   PLU=ON   ("WILLIAMS R C"/AU OR "WILLIAMS R C JR"/AU
                   OR "WILLIAMS R CHRISTOPHER"/AU)
L28         124 SEA ABB=ON   PLU=ON   ("WILLIAMS R C"/AU OR "WILLIAMS R C JR"/AU
                   OR "WILLIAMS R CHRISTOPHER"/AU)
L29           0 SEA ABB=ON   PLU=ON   ("WILLIAMS R C"/AU OR "WILLIAMS R C JR"/AU
                   OR "WILLIAMS R CHRISTOPHER"/AU)
L30           0 SEA ABB=ON   PLU=ON   ("WILLIAMS R C"/AU OR "WILLIAMS R C JR"/AU
                   OR "WILLIAMS R CHRISTOPHER"/AU)
        TOTAL FOR ALL FILES
L31         243 SEA ABB=ON   PLU=ON   ("WILLIAMS R C"/AU OR "WILLIAMS R C JR"/AU
                   OR "WILLIAMS R CHRISTOPHER"/AU)
                   E WILLIAMS RICK C/AU
L32           8 SEA ABB=ON   PLU=ON   "WILLIAMS RICK"/AU
L33           0 SEA ABB=ON   PLU=ON   "WILLIAMS RICK"/AU
L34           4 SEA ABB=ON   PLU=ON   "WILLIAMS RICK"/AU
L35           1 SEA ABB=ON   PLU=ON   "WILLIAMS RICK"/AU
        TOTAL FOR ALL FILES
L36          13 SEA ABB=ON   PLU=ON   "WILLIAMS RICK"/AU
L37           3 SEA L21
L38           7 SEA ABB=ON   PLU=ON   L32 NOT L37
L39           0 SEA L21
L40           0 SEA ABB=ON   PLU=ON   L33 NOT L39
L41           2 SEA L21
L42           2 SEA ABB=ON   PLU=ON   L34 NOT L41
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L43           0 SEA L21
L44           1 SEA ABB=ON   PLU=ON   L35 NOT L43
     TOTAL FOR ALL FILES
L45          10 SEA ABB=ON   PLU=ON   L36 NOT L21
              D 1-10 BIB AB
              E HOLBERT V/AU
L46          17 SEA ABB=ON   PLU=ON   ("HOLBERT V"/AU OR "HOLBERT V P"/AU OR
                 "HOLBERT VICTOR"/AU OR "HOLBERT VICTOR P"/AU OR "HOLBERT
                 VICTOR PAUL"/AU)
L47          11 SEA ABB=ON   PLU=ON   ("HOLBERT V"/AU OR "HOLBERT V P"/AU OR
                 "HOLBERT VICTOR"/AU OR "HOLBERT VICTOR P"/AU OR "HOLBERT
                 VICTOR PAUL"/AU)
L48           9 SEA ABB=ON   PLU=ON   ("HOLBERT V"/AU OR "HOLBERT V P"/AU OR
                 "HOLBERT VICTOR"/AU OR "HOLBERT VICTOR P"/AU OR "HOLBERT
                 VICTOR PAUL"/AU)
L49           1 SEA ABB=ON   PLU=ON   ("HOLBERT V"/AU OR "HOLBERT V P"/AU OR
                 "HOLBERT VICTOR"/AU OR "HOLBERT VICTOR P"/AU OR "HOLBERT
                 VICTOR PAUL"/AU)
     TOTAL FOR ALL FILES
L50          38 SEA ABB=ON   PLU=ON   ("HOLBERT V"/AU OR "HOLBERT V P"/AU OR
                 "HOLBERT VICTOR"/AU OR "HOLBERT VICTOR P"/AU OR "HOLBERT
                 VICTOR PAUL"/AU)
L51           3 SEA L21
L52          16 SEA ABB=ON   PLU=ON   L46 NOT (L51 OR L38)
L53           0 SEA L21
L54          11 SEA ABB=ON   PLU=ON   L47 NOT (L53 OR L40)
L55           2 SEA L21
L56           7 SEA ABB=ON   PLU=ON   L48 NOT (L55 OR L42)
L57           0 SEA L21
L58           0 SEA ABB=ON   PLU=ON   L49 NOT (L57 OR L44)
     TOTAL FOR ALL FILES
L59          34 SEA ABB=ON   PLU=ON   L50 NOT (L21 OR L45)
L60          21 DUP REM L59 (13 DUPLICATES REMOVED)
              D 1-21 BIB AB
L61         573 SEA ABB=ON   PLU=ON   L1 OR L6 OR L11 OR L22 OR L27
L62         564 SEA ABB=ON   PLU=ON   L2 OR L7 OR L12 OR L23 OR L28
L63           7 SEA ABB=ON   PLU=ON   L3 OR L8 OR L13 OR L24 OR L29
L64           1 SEA ABB=ON   PLU=ON   L4 OR L9 OR L14 OR L25 OR L30
     TOTAL FOR ALL FILES
L65        1145 SEA ABB=ON   PLU=ON   L5 OR L10 OR L15 OR L26 OR L31
L66          23 SEA ABB=ON   PLU=ON   L61 AND PAPER?
L67          20 SEA ABB=ON   PLU=ON   L62 AND PAPER?
L68           6 SEA ABB=ON   PLU=ON   L63 AND PAPER?
L69           1 SEA ABB=ON   PLU=ON   L64 AND PAPER?
     TOTAL FOR ALL FILES
L70          50 SEA ABB=ON   PLU=ON   L65 AND PAPER?
L71          56 SEA ABB=ON   PLU=ON   L61 AND (PAPER? OR ?CELLUL?)
L72          33 SEA ABB=ON   PLU=ON   L62 AND (PAPER? OR ?CELLUL?)
L73           7 SEA ABB=ON   PLU=ON   L63 AND (PAPER? OR ?CELLUL?)
L74           1 SEA ABB=ON   PLU=ON   L64 AND (PAPER? OR ?CELLUL?)
     TOTAL FOR ALL FILES
L75          97 SEA ABB=ON   PLU=ON   L65 AND (PAPER? OR ?CELLUL?)
L76           3 SEA ABB=ON   PLU=ON   L71 AND ?ACRYL?
L77           9 SEA ABB=ON   PLU=ON   L72 AND ?ACRYL?
L78           6 SEA ABB=ON   PLU=ON   L73 AND ?ACRYL?
L79           1 SEA ABB=ON   PLU=ON   L74 AND ?ACRYL?
     TOTAL FOR ALL FILES
L80          19 SEA ABB=ON   PLU=ON   L75 AND ?ACRYL?
L81           1 SEA ABB=ON   PLU=ON   L71 AND INK
L82           3 SEA ABB=ON   PLU=ON   L72 AND INK
L83           2 SEA ABB=ON   PLU=ON   L73 AND INK
L84           1 SEA ABB=ON   PLU=ON   L74 AND INK
     TOTAL FOR ALL FILES
L85           7 SEA ABB=ON   PLU=ON   L75 AND INK
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L86              3 SEA ABB=ON    PLU=ON   L76 OR L81
L87             11 SEA ABB=ON    PLU=ON   L77 OR L82
L88              6 SEA ABB=ON    PLU=ON   L78 OR L83
L89              1 SEA ABB=ON    PLU=ON   L79 OR L84
        TOTAL FOR ALL FILES
L90             21 SEA ABB=ON    PLU=ON   L80 OR L85
L91             15 DUP REM L90 (6 DUPLICATES REMOVED)
L92             15 FOCUS L91 1-
                   D 1-15 BIB AB

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         FILE 'CAPLUS, WPIX, PIRA, PAPERCHEM2' ENTERED AT 13:49:31 ON 27 MAY 2006
L1      742796 SEA ABB=ON  PLU=ON  (PAPER OR PAPERBOARD OR CARDBOARD OR
                             FOLDER OR BRISTOL)
L2      364591 SEA ABB=ON  PLU=ON  (PAPER OR PAPERBOARD OR CARDBOARD OR
                             FOLDER OR BRISTOL)
L3      164291 SEA ABB=ON  PLU=ON  (PAPER OR PAPERBOARD OR CARDBOARD OR
                             FOLDER OR BRISTOL)
L4      253286 SEA ABB=ON  PLU=ON  (PAPER OR PAPERBOARD OR CARDBOARD OR
                             FOLDER OR BRISTOL)
        TOTAL FOR ALL FILES
L5     1524964 SEA ABB=ON  PLU=ON  (PAPER OR PAPERBOARD OR CARDBOARD OR
                             FOLDER OR BRISTOL)
L6          84 SEA ABB=ON  PLU=ON  L1 AND ((HOLDOUT? OR BARRIER?) (10A)
                             STARCH)
L7          31 SEA ABB=ON  PLU=ON  L2 AND ((HOLDOUT? OR BARRIER?) (10A)
                             STARCH)
L8          23 SEA ABB=ON  PLU=ON  L3 AND ((HOLDOUT? OR BARRIER?) (10A)
                             STARCH)
L9          32 SEA ABB=ON  PLU=ON  L4 AND ((HOLDOUT? OR BARRIER?) (10A)
                             STARCH)
        TOTAL FOR ALL FILES
L10        170 SEA ABB=ON  PLU=ON  L5 AND ((HOLDOUT? OR BARRIER?) (10A)
                             STARCH)
L11          5 SEA ABB=ON  PLU=ON  L6 AND INK
L12          2 SEA ABB=ON  PLU=ON  L7 AND INK
L13          9 SEA ABB=ON  PLU=ON  L8 AND INK
L14         11 SEA ABB=ON  PLU=ON  L9 AND INK
        TOTAL FOR ALL FILES
L15         27 SEA ABB=ON  PLU=ON  L10 AND INK
L16         25 DUP REM L15 (2 DUPLICATES REMOVED)
L17         25 FOCUS L16 1-
                D 1-25 ALL
L18          1 SEA ABB=ON  PLU=ON  L6 AND COBB
L19          0 SEA ABB=ON  PLU=ON  L7 AND COBB
L20          1 SEA ABB=ON  PLU=ON  L8 AND COBB
L21          1 SEA ABB=ON  PLU=ON  L9 AND COBB
        TOTAL FOR ALL FILES
L22          3 SEA ABB=ON  PLU=ON  L10 AND COBB
L23          3 DUP REM L22 (0 DUPLICATES REMOVED)
                D 1-3 ALL
L24          1 SEA ABB=ON  PLU=ON  L6 AND (WEIGHT (5A) BASIS)
L25          1 SEA ABB=ON  PLU=ON  L7 AND (WEIGHT (5A) BASIS)
L26          1 SEA ABB=ON  PLU=ON  L8 AND (WEIGHT (5A) BASIS)
L27          3 SEA ABB=ON  PLU=ON  L9 AND (WEIGHT (5A) BASIS)
        TOTAL FOR ALL FILES
L28          6 SEA ABB=ON  PLU=ON  L10 AND (WEIGHT (5A) BASIS)
L29          6 DUP REM L28 (0 DUPLICATES REMOVED)
                D 1-6 ALL
L30         22 SEA ABB=ON  PLU=ON  L6 AND ?ACRYL?
L31         11 SEA ABB=ON  PLU=ON  L7 AND ?ACRYL?
L32          0 SEA ABB=ON  PLU=ON  L8 AND ?ACRYL?
L33          1 SEA ABB=ON  PLU=ON  L9 AND ?ACRYL?
        TOTAL FOR ALL FILES
L34         34 SEA ABB=ON  PLU=ON  L10 AND ?ACRYL?
L35          8 SEA ABB=ON  PLU=ON  L30 AND (PAPERBOARD OR CARDBOARD OR FOLDER
                             OR BRISTOL)
L36          5 SEA ABB=ON  PLU=ON  L31 AND (PAPERBOARD OR CARDBOARD OR FOLDER
                             OR BRISTOL)
L37          0 SEA ABB=ON  PLU=ON  L32 AND (PAPERBOARD OR CARDBOARD OR FOLDER
                             OR BRISTOL)
L38          0 SEA ABB=ON  PLU=ON  L33 AND (PAPERBOARD OR CARDBOARD OR FOLDER
                             OR BRISTOL)
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        TOTAL FOR ALL FILES
L39             13 SEA ABB=ON   PLU=ON  L34 AND (PAPERBOARD OR CARDBOARD OR FOLDER
                   OR BRISTOL)
L40             13 DUP REM L39 (0 DUPLICATES REMOVED)
L41              8 SEA L40
L42              8 SEA ABB=ON   PLU=ON  L41 NOT (L11 OR L18 OR L24)
L43              5 SEA L40
L44              4 SEA ABB=ON   PLU=ON  L43 NOT (L12 OR L19 OR L25)
L45              0 SEA L40
L46              0 SEA ABB=ON   PLU=ON  L45 NOT (L13 OR L20 OR L26)
L47              0 SEA L40
L48              0 SEA ABB=ON   PLU=ON  L47 NOT (L14 OR L21 OR L27)
        TOTAL FOR ALL FILES
L49             12 SEA ABB=ON   PLU=ON  L40 NOT (L15 OR L22 OR L28)
L50             12 FOCUS L49 1-
                   D 1-12 ALL
L51          16918 SEA ABB=ON   PLU=ON  (PAPERBOARD OR CARDBOARD OR FOLDER OR
                   BRISTOL)
L52          43395 SEA ABB=ON   PLU=ON  (PAPERBOARD OR CARDBOARD OR FOLDER OR
                   BRISTOL)
L53          14278 SEA ABB=ON   PLU=ON  (PAPERBOARD OR CARDBOARD OR FOLDER OR
                   BRISTOL)
L54          17846 SEA ABB=ON   PLU=ON  (PAPERBOARD OR CARDBOARD OR FOLDER OR
                   BRISTOL)
        TOTAL FOR ALL FILES
L55          92437 SEA ABB=ON   PLU=ON  (PAPERBOARD OR CARDBOARD OR FOLDER OR
                   BRISTOL)
L56             19 SEA ABB=ON   PLU=ON  L51 AND (STARCH AND INK AND (POLYACRYL? OR
                   ACRYL?))
L57             25 SEA ABB=ON   PLU=ON  L52 AND (STARCH AND INK AND (POLYACRYL? OR
                   ACRYL?))
L58              4 SEA ABB=ON   PLU=ON  L53 AND (STARCH AND INK AND (POLYACRYL? OR
                   ACRYL?))
L59              7 SEA ABB=ON   PLU=ON  L54 AND (STARCH AND INK AND (POLYACRYL? OR
                   ACRYL?))
        TOTAL FOR ALL FILES
L60             55 SEA ABB=ON   PLU=ON  L55 AND (STARCH AND INK AND (POLYACRYL? OR
                   ACRYL?))
L61              1 SEA ABB=ON   PLU=ON  L56 AND COBB
L62              2 SEA ABB=ON   PLU=ON  L57 AND COBB
L63              0 SEA ABB=ON   PLU=ON  L58 AND COBB
L64              0 SEA ABB=ON   PLU=ON  L59 AND COBB
        TOTAL FOR ALL FILES
L65              3 SEA ABB=ON   PLU=ON  L60 AND COBB
                   D 1-3 ALL
L66              1 SEA ABB=ON   PLU=ON  L56 AND (BASIS (5A) WEIGHT)
L67              1 SEA ABB=ON   PLU=ON  L57 AND (BASIS (5A) WEIGHT)
L68              1 SEA ABB=ON   PLU=ON  L58 AND (BASIS (5A) WEIGHT)
L69              0 SEA ABB=ON   PLU=ON  L59 AND (BASIS (5A) WEIGHT)
        TOTAL FOR ALL FILES
L70              3 SEA ABB=ON   PLU=ON  L60 AND (BASIS (5A) WEIGHT)
L71              1 SEA ABB=ON   PLU=ON  L66 NOT L61
L72              0 SEA ABB=ON   PLU=ON  L67 NOT L62
L73              1 SEA ABB=ON   PLU=ON  L68 NOT L63
L74              0 SEA ABB=ON   PLU=ON  L69 NOT L64
        TOTAL FOR ALL FILES
L75              2 SEA ABB=ON   PLU=ON  L70 NOT L65
                   D 1-2 ALL


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        FILE 'USPATFULL, USPAT2' ENTERED AT 14:21:13 ON 27 MAY 2006
L1      3329 SEA ABB=ON   PLU=ON   (427/389900-392000/NCL OR 427/394000-396000
             /NCL OR 427/411000/NCL OR 428/537500/NCL)
L2       224 SEA ABB=ON   PLU=ON   (427/389900-392000/NCL OR 427/394000-396000
             /NCL OR 427/411000/NCL OR 428/537500/NCL)
     TOTAL FOR ALL FILES
L3      3553 SEA ABB=ON   PLU=ON   (427/389900-392000/NCL OR 427/394000-396000
             /NCL OR 427/411000/NCL OR 428/537500/NCL)
L4       569 SEA ABB=ON   PLU=ON   (L1 AND (PAPERBOARD OR CARDBOARD OR FOLDER
             OR BRISTOL))
L5        55 SEA ABB=ON   PLU=ON   (L2 AND (PAPERBOARD OR CARDBOARD OR FOLDER
             OR BRISTOL))
     TOTAL FOR ALL FILES
L6       624 SEA ABB=ON   PLU=ON   (L3 AND (PAPERBOARD OR CARDBOARD OR FOLDER
             OR BRISTOL))
L7        94 SEA ABB=ON   PLU=ON   (L4 AND (STARCH AND INK AND (POLYACRYL? OR
             ACRYL?)))
L8        11 SEA ABB=ON   PLU=ON   (L5 AND (STARCH AND INK AND (POLYACRYL? OR
             ACRYL?)))
     TOTAL FOR ALL FILES
L9       105 SEA ABB=ON   PLU=ON   (L6 AND (STARCH AND INK AND (POLYACRYL? OR
             ACRYL?)))
L10       15 SEA ABB=ON   PLU=ON   L7 AND COBB
L11        1 SEA ABB=ON   PLU=ON   L8 AND COBB
     TOTAL FOR ALL FILES
L12       16 SEA ABB=ON   PLU=ON   L9 AND COBB
L13        9 SEA ABB=ON   PLU=ON   L10 AND (BASIS (5A) WEIGHT)
L14        1 SEA ABB=ON   PLU=ON   L11 AND (BASIS (5A) WEIGHT)
     TOTAL FOR ALL FILES
L15       10 SEA ABB=ON   PLU=ON   L12 AND (BASIS (5A) WEIGHT)
L16       10 FOCUS L15 1-
             D 1-10 BIB AB
L17       19 SEA ABB=ON   PLU=ON   (L4 AND (STARCH AND INK AND (?MICROB? OR
             ?FUNG? OR ?BACTER? OR ?BIOCID?)))
L18        5 SEA ABB=ON   PLU=ON   (L5 AND (STARCH AND INK AND (?MICROB? OR
             ?FUNG? OR ?BACTER? OR ?BIOCID?)))
     TOTAL FOR ALL FILES
L19       24 SEA ABB=ON   PLU=ON   (L6 AND (STARCH AND INK AND (?MICROB? OR
             ?FUNG? OR ?BACTER? OR ?BIOCID?)))
L20       15 SEA ABB=ON   PLU=ON   L17 NOT L13
L21        4 SEA ABB=ON   PLU=ON   L18 NOT L14
     TOTAL FOR ALL FILES
L22       19 SEA ABB=ON   PLU=ON   L19 NOT L15
L23       19 FOCUS L22 1-
             D 1-19 BIB AB
L24        1 SEA ABB=ON   PLU=ON   L20 AND COBB
L25        0 SEA ABB=ON   PLU=ON   L21 AND COBB
     TOTAL FOR ALL FILES
L26        1 SEA ABB=ON   PLU=ON   L22 AND COBB
             D BIB AB

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=> fil reg
FILE 'REGISTRY' ENTERED AT 12:35:12 ON 19 MAY 2006

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        FILE 'HCAPLUS' ENTERED AT 11:07:44 ON 19 MAY 2006
L1              1 SEA ABB=ON  PLU=ON  US20040084163/PN


        FILE 'REGISTRY' ENTERED AT 11:08:13 ON 19 MAY 2006
L2              2 SEA ABB=ON  PLU=ON  (473910-18-8/BI OR 9005-25-8/BI)
L3              1 SEA ABB=ON  PLU=ON  9005-25-8/RN
L4              1 SEA ABB=ON  PLU=ON  473910-18-8/RN
L5         322751 SEA ABB=ON  PLU=ON  PACR/PCT
L6         322751 SEA ABB=ON  PLU=ON  L5 OR L5
L7         150000 SEA RAN=(169504-82-9-) ABB=ON  PLU=ON  L5 OR L5
L8         172751 SEA ABB=ON  PLU=ON  L6 NOT L7


        FILE 'HCAPLUS' ENTERED AT 11:11:48 ON 19 MAY 2006
L9          62819 SEA ABB=ON  PLU=ON  L7
L10        407022 SEA ABB=ON  PLU=ON  L8
L11        445309 SEA ABB=ON  PLU=ON  L9 OR L10
L12        157640 SEA ABB=ON  PLU=ON  L3 OR STARCH
L13          8777 SEA ABB=ON  PLU=ON  L11 AND L12
L14          2277 SEA ABB=ON  PLU=ON  L13 AND (PAPER OR PAPERBOARD?)
L15            13 SEA ABB=ON  PLU=ON  L14 AND BASE(2A)LAYER?
L16             1 SEA ABB=ON  PLU=ON  L15 AND INK(2A)LAYER?
L17           409 SEA ABB=ON  PLU=ON  L14 AND ?LAYER?
L18             0 SEA ABB=ON  PLU=ON  L17 AND HOLDOUT(2A)LAYER?
L19            39 SEA ABB=ON  PLU=ON  L17 AND RESIST?(3A)(WATER? OR
                                      MOISTURE?)


        FILE 'REGISTRY' ENTERED AT 11:25:27 ON 19 MAY 2006
L20             1 SEA ABB=ON  PLU=ON  CELLULOSE/CN


        FILE 'HCAPLUS' ENTERED AT 11:26:22 ON 19 MAY 2006
L21        343313 SEA ABB=ON  PLU=ON  L20 OR CELLULOSE
L22            11 SEA ABB=ON  PLU=ON  L19 AND L21
L23             1 SEA ABB=ON  PLU=ON  L4
L24        314870 SEA ABB=ON  PLU=ON  ?ACRYLIC? OR ?METHACRYLIC?
L25          6774 SEA ABB=ON  PLU=ON  L24 AND L12
L26          1053 SEA ABB=ON  PLU=ON  L25 AND ?LAYER?
L27           425 SEA ABB=ON  PLU=ON  L26 AND (PAPER? OR PAPERBOARD? OR
                                      PAPER(W)BOARD?)
L28            47 SEA ABB=ON  PLU=ON  L27 AND RESIST?(3A)(WATER? OR
                                      MOISTURE?)
L29             8 SEA ABB=ON  PLU=ON  L28 AND L21
L30             2 SEA ABB=ON  PLU=ON  L28 AND INK(2A)?LAYER?
L31        587160 SEA ABB=ON  PLU=ON  L11 OR L24
L32         42690 SEA ABB=ON  PLU=ON  L31 AND (SIZE OR SIZING)
L33          1819 SEA ABB=ON  PLU=ON  L32 AND L12
L34           752 SEA ABB=ON  PLU=ON  L33 AND (PAPER? OR PAPERBOARD? OR
                                      PAPER(W)BOARD?)
L35            20 SEA ABB=ON  PLU=ON  L34 AND INK(2A)?LAYER?
L36            12 SEA ABB=ON  PLU=ON  L35 AND L21
L37            55 SEA ABB=ON  PLU=ON  L15 OR L16 OR L18 OR L19 OR L22 OR
                                      L23 OR L29 OR L30
L38             7 SEA ABB=ON  PLU=ON  L37 AND INK(2A)?LAYER?
L39             4 SEA ABB=ON  PLU=ON  L38 AND L21
L40            13 SEA ABB=ON  PLU=ON  L36 OR L39
L41            10 SEA ABB=ON  PLU=ON  L34 AND PRINT?(2A)?LAYER?
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L42          5 SEA ABB=ON   PLU=ON   L37 AND PRINT?(2A)?LAYER?
L43         13 SEA ABB=ON   PLU=ON   L41 OR L42
L44          4 SEA ABB=ON   PLU=ON   L43 AND L21
L45         13 SEA ABB=ON   PLU=ON   L40 OR L44
L46         12 SEA ABB=ON   PLU=ON   L41 OR L42 NOT L45
L47        797 SEA ABB=ON   PLU=ON   L34 OR L37
L48         32 SEA ABB=ON   PLU=ON   L47 AND (INK? OR PRINT?)(3A)?LAYER?

L49         21 SEA ABB=ON   PLU=ON   L48 AND (BASE? OR HOLDOUT? OR
                                     RECEPTIV? OR RECEIV?)
L50         11 SEA ABB=ON   PLU=ON   L49 AND L21
L51      43724 SEA ABB=ON   PLU=ON   L31 AND (SIZE# OR SIZING)
L52       4122 SEA ABB=ON   PLU=ON   L51 AND (PAPER OR PAPER(W)BOARD?
                                     OR PAPERBOARD?)
L53        297 SEA ABB=ON   PLU=ON   L52 AND RESIST?(3A)(WATER? OR
                                     MOISTUR? OR MILDEW?)
L54         27 SEA ABB=ON   PLU=ON   L53 AND (INK? OR PRINT?)(3A)?LAYER?

L55          3 SEA ABB=ON   PLU=ON   L54 AND L21
L56         13 SEA ABB=ON   PLU=ON   L54 AND (BASE? OR HOLDOUT? OR
                                     RECEPTIV? OR RECEIV?)
L57         14 SEA ABB=ON   PLU=ON   L45 OR L50 OR L55
L58         25 SEA ABB=ON   PLU=ON   L46 OR L56
L59         15 SEA ABB=ON   PLU=ON   L58 AND CELLUL?/SC,SX
L60          9 SEA ABB=ON   PLU=ON   L57 AND CELLUL?/SC,SX
L61         20 SEA ABB=ON   PLU=ON   L59 OR L60


         FILE 'WPIX' ENTERED AT 12:20:41 ON 19 MAY 2006
L62     151326 SEA ABB=ON   PLU=ON   ?ACRYLIC? OR ?METHACRYLIC?
L63      52133 SEA ABB=ON   PLU=ON   STARCH?
L64     104012 SEA ABB=ON   PLU=ON   CELLULOSE?
L65       2540 SEA ABB=ON   PLU=ON   L62 AND L63 AND L64
L66        436 SEA ABB=ON   PLU=ON   L65 AND (PAPER OR PAPER(W)BOARD?
                                     OR PAPERBOARD?)
L67         48 SEA ABB=ON   PLU=ON   L66 AND RESIST?(3A)(WATER? OR
                                     MOISTUR? OR MILDEW?)
L68         13 SEA ABB=ON   PLU=ON   L67 AND (INK? OR PRINT?)(3A)?LAYER?


         FILE 'PAPERCHEM2' ENTERED AT 12:25:41 ON 19 MAY 2006
L69          0 SEA ABB=ON   PLU=ON   L67 AND (INK? OR PRINT?)(3A)?LAYER?

L70          6 SEA ABB=ON   PLU=ON   L66 AND RESIST?(3A)(WATER? OR
                                     MOISTUR? OR MILDEW?)
                                     D SCAN
L71      12721 SEA ABB=ON   PLU=ON   POLYACRYLIC? OR ACRYLIC? OR
                                     METHACRYLIC? OR POLYMETHACRYLIC?
L72        165 SEA ABB=ON   PLU=ON   L71 AND L63 AND L64
L73         96 SEA ABB=ON   PLU=ON   L72 AND (PAPER OR PAPER(W)BOARD?
                                     OR PAPERBOARD?)
L74          6 SEA ABB=ON   PLU=ON   L73 AND RESIST?(3A)(WATER? OR
                                     MOISTUR? OR MILDEW?)
L75          6 SEA ABB=ON   PLU=ON   L70 OR L74


         FILE 'PIRA' ENTERED AT 12:31:25 ON 19 MAY 2006
L76          1 SEA ABB=ON   PLU=ON   L73 AND RESIST?(3A)(WATER? OR
                                     MOISTUR? OR MILDEW?)
                                     D SCAN


         FILE 'JAPIO' ENTERED AT 12:32:30 ON 19 MAY 2006
L77          1 SEA ABB=ON   PLU=ON   L73 AND RESIST?(3A)(WATER? OR
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MOISTUR? OR MILDEW?)

FILE 'JICST-EPLUS' ENTERED AT 12:32:47 ON 19 MAY 2006
L78   0 SEA ABB=ON PLU=ON L73 AND RESIST?(3A)(WATER? OR
             MOISTUR? OR MILDEW?)

FILE 'HCAPLUS, WPIX, PAPERCHEM2, PIRA, JAPIO' ENTERED AT 12:34:33
ON 19 MAY 2006
L79   41 DUP REM L61 L68 L75 L76 L77 L78 (0 DUPLICATES REMOVED)

=> fil hcap
FILE 'HCAPLUS' ENTERED AT 12:35:24 ON 19 MAY 2006

=> d que 161
L3   1 SEA FILE=REGISTRY ABB=ON PLU=ON 9005-25-8/RN
L4   1 SEA FILE=REGISTRY ABB=ON PLU=ON 473910-18-8/RN
L5   322751 SEA FILE=REGISTRY ABB=ON PLU=ON PACR/PCT
L6   322751 SEA FILE=REGISTRY ABB=ON PLU=ON L5 OR L5
L7   150000 SEA FILE=REGISTRY RAN=(169504-82-9-) ABB=ON PLU=ON
             L5 OR L5
L8   172751 SEA FILE=REGISTRY ABB=ON PLU=ON L6 NOT L7
L9   62819 SEA FILE=HCAPLUS ABB=ON PLU=ON L7
L10   407022 SEA FILE=HCAPLUS ABB=ON PLU=ON L8
L11   445309 SEA FILE=HCAPLUS ABB=ON PLU=ON L9 OR L10
L12   157640 SEA FILE=HCAPLUS ABB=ON PLU=ON L3 OR STARCH
L13   8777 SEA FILE=HCAPLUS ABB=ON PLU=ON L11 AND L12
L14   2277 SEA FILE=HCAPLUS ABB=ON PLU=ON L13 AND (PAPER OR
             PAPERBOARD?)
L15   13 SEA FILE=HCAPLUS ABB=ON PLU=ON L14 AND BASE(2A)LAYER?
L16   1 SEA FILE=HCAPLUS ABB=ON PLU=ON L15 AND INK(2A)LAYER?
L17   409 SEA FILE=HCAPLUS ABB=ON PLU=ON L14 AND ?LAYER?
L18   0 SEA FILE=HCAPLUS ABB=ON PLU=ON L17 AND HOLDOUT(2A)LAY
             ER?
L19   39 SEA FILE=HCAPLUS ABB=ON PLU=ON L17 AND RESIST?(3A)(WA
             TER? OR MOISTURE?)
L20   1 SEA FILE=REGISTRY ABB=ON PLU=ON CELLULOSE/CN
L21   343313 SEA FILE=HCAPLUS ABB=ON PLU=ON L20 OR CELLULOSE
L22   11 SEA FILE=HCAPLUS ABB=ON PLU=ON L19 AND L21
L23   1 SEA FILE=HCAPLUS ABB=ON PLU=ON L4
L24   314870 SEA FILE=HCAPLUS ABB=ON PLU=ON ?ACRYLIC? OR ?METHACRY
             LIC?
L25   6774 SEA FILE=HCAPLUS ABB=ON PLU=ON L24 AND L12
L26   1053 SEA FILE=HCAPLUS ABB=ON PLU=ON L25 AND ?LAYER?
L27   425 SEA FILE=HCAPLUS ABB=ON PLU=ON L26 AND (PAPER? OR
             PAPERBOARD? OR PAPER(W)BOARD?)
L28   47 SEA FILE=HCAPLUS ABB=ON PLU=ON L27 AND RESIST?(3A)(WA
             TER? OR MOISTURE?)
L29   8 SEA FILE=HCAPLUS ABB=ON PLU=ON L28 AND L21
L30   2 SEA FILE=HCAPLUS ABB=ON PLU=ON L28 AND INK(2A)?LAYER?
L31   587160 SEA FILE=HCAPLUS ABB=ON PLU=ON L11 OR L24
L32   42690 SEA FILE=HCAPLUS ABB=ON PLU=ON L31 AND (SIZE OR
             SIZING)
L33   1819 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 AND L12
L34   752 SEA FILE=HCAPLUS ABB=ON PLU=ON L33 AND (PAPER? OR
             PAPERBOARD? OR PAPER(W)BOARD?)
L35   20 SEA FILE=HCAPLUS ABB=ON PLU=ON L34 AND INK(2A)?LAYER?

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L36          12 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L35 AND L21
L37          55 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L15 OR L16 OR L18 OR
                L19 OR L22 OR L23 OR L29 OR L30
L38           7 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L37 AND INK(2A)?LAYER?

L39           4 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L38 AND L21
L40          13 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L36 OR L39
L41          10 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L34 AND PRINT?(2A)?LAY
                ER?
L42           5 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L37 AND PRINT?(2A)?LAY
                ER?
L43          13 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L41 OR L42
L44           4 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L43 AND L21
L45          13 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L40 OR L44
L46          12 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L41 OR L42 NOT L45
L47         797 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L34 OR L37
L48          32 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L47 AND (INK? OR
                PRINT?)(3A)?LAYER?
L49          21 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L48 AND (BASE? OR
                HOLDOUT? OR RECEPTIV? OR RECEIV?)
L50          11 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L49 AND L21
L51       43724 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L31 AND (SIZE# OR
                SIZING)
L52        4122 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L51 AND (PAPER OR
                PAPER(W)BOARD? OR PAPERBOARD?)
L53         297 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L52 AND RESIST?(3A)(WA
                TER? OR MOISTUR? OR MILDEW?)
L54          27 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L53 AND (INK? OR
                PRINT?)(3A)?LAYER?
L55           3 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L54 AND L21
L56          13 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L54 AND (BASE? OR
                HOLDOUT? OR RECEPTIV? OR RECEIV?)
L57          14 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L45 OR L50 OR L55
L58          25 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L46 OR L56
L59          15 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L58 AND CELLUL?/SC,SX

L60           9 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L57 AND CELLUL?/SC,SX

L61          20 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L59 OR L60


=> fil wpix
FILE 'WPIX' ENTERED AT 12:35:35 ON 19 MAY 2006

=> d que 168
L62      151326 SEA FILE=WPIX ABB=ON   PLU=ON   ?ACRYLIC? OR ?METHACRYLIC
                ?
L63       52133 SEA FILE=WPIX ABB=ON   PLU=ON   STARCH?
L64      104012 SEA FILE=WPIX ABB=ON   PLU=ON   CELLULOSE?
L65        2540 SEA FILE=WPIX ABB=ON   PLU=ON   L62 AND L63 AND L64
L66         436 SEA FILE=WPIX ABB=ON   PLU=ON   L65 AND (PAPER OR
                PAPER(W)BOARD? OR PAPERBOARD?)
L67          48 SEA FILE=WPIX ABB=ON   PLU=ON   L66 AND RESIST?(3A)(WATER
                ? OR MOISTUR? OR MILDEW?)
L68          13 SEA FILE=WPIX ABB=ON   PLU=ON   L67 AND (INK? OR
                PRINT?)(3A)?LAYER?


=> fil paperchem
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FILE 'PAPERCHEM2' ENTERED AT 12:35:52 ON 19 MAY 2006

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=> d que 175
L62     151326 SEA FILE=WPIX ABB=ON   PLU=ON   ?ACRYLIC? OR ?METHACRYLIC
               ?
L63      52133 SEA FILE=WPIX ABB=ON   PLU=ON   STARCH?
L64     104012 SEA FILE=WPIX ABB=ON   PLU=ON   CELLULOSE?
L65       2540 SEA FILE=WPIX ABB=ON   PLU=ON   L62 AND L63 AND L64
L66        436 SEA FILE=WPIX ABB=ON   PLU=ON   L65 AND (PAPER OR
               PAPER(W)BOARD? OR PAPERBOARD?)
L70          6 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON  L66 AND RESIST?(3A)
               (WATER? OR MOISTUR? OR MILDEW?)
L71      12721 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON  POLYACRYLIC? OR
               ACRYLIC? OR METHACRYLIC? OR POLYMETHACRYLIC?
L72        165 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON  L71 AND L63 AND
               L64
L73         96 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON  L72 AND (PAPER OR
               PAPER(W)BOARD? OR PAPERBOARD?)
L74          6 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON  L73 AND RESIST?(3A)
               (WATER? OR MOISTUR? OR MILDEW?)
L75          6 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON  L70 OR L74


=> fil pira
FILE 'PIRA' ENTERED AT 12:36:03 ON 19 MAY 2006

=> d que 176
L63      52133 SEA FILE=WPIX ABB=ON   PLU=ON   STARCH?
L64     104012 SEA FILE=WPIX ABB=ON   PLU=ON   CELLULOSE?
L71      12721 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON  POLYACRYLIC? OR
               ACRYLIC? OR METHACRYLIC? OR POLYMETHACRYLIC?
L72        165 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON  L71 AND L63 AND
               L64
L73         96 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON  L72 AND (PAPER OR
               PAPER(W)BOARD? OR PAPERBOARD?)
L76          1 SEA FILE=PIRA ABB=ON  PLU=ON  L73 AND RESIST?(3A)(WATER
               ? OR MOISTUR? OR MILDEW?)


=> fil japio
FILE 'JAPIO' ENTERED AT 12:36:16 ON 19 MAY 2006

=> d que 177
L63      52133 SEA FILE=WPIX ABB=ON   PLU=ON   STARCH?
L64     104012 SEA FILE=WPIX ABB=ON   PLU=ON   CELLULOSE?
L71      12721 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON  POLYACRYLIC? OR
               ACRYLIC? OR METHACRYLIC? OR POLYMETHACRYLIC?
L72        165 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON  L71 AND L63 AND
               L64
L73         96 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON  L72 AND (PAPER OR
               PAPER(W)BOARD? OR PAPERBOARD?)
L77          1 SEA FILE=JAPIO ABB=ON  PLU=ON  L73 AND RESIST?(3A)(WATE
               R? OR MOISTUR? OR MILDEW?)


=> fil jicst
FILE 'JICST-EPLUS' ENTERED AT 12:36:29 ON 19 MAY 2006


=> d que 178
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USHA SHRESTHA   EIC 1700 REM 4B28

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L63      52133 SEA FILE=WPIX ABB=ON  PLU=ON  STARCH?
L64     104012 SEA FILE=WPIX ABB=ON  PLU=ON  CELLULOSE?
L71      12721 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON  POLYACRYLIC? OR
               ACRYLIC? OR METHACRYLIC? OR POLYMETHACRYLIC?
L72        165 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON  L71 AND L63 AND
               L64
L73         96 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON  L72 AND (PAPER OR
               PAPER(W)BOARD? OR PAPERBOARD?)
L78          0 SEA FILE=JICST-EPLUS ABB=ON  PLU=ON  L73 AND RESIST?(3A
               )(WATER? OR MOISTUR? OR MILDEW?)


=> d que 179
L3           1 SEA FILE=REGISTRY ABB=ON  PLU=ON  9005-25-8/RN
L4           1 SEA FILE=REGISTRY ABB=ON  PLU=ON  473910-18-8/RN
L5      322751 SEA FILE=REGISTRY ABB=ON  PLU=ON  PACR/PCT
L6      322751 SEA FILE=REGISTRY ABB=ON  PLU=ON  L5 OR L5
L7      150000 SEA FILE=REGISTRY RAN=(169504-82-9-) ABB=ON  PLU=ON
               L5 OR L5
L8      172751 SEA FILE=REGISTRY ABB=ON  PLU=ON  L6 NOT L7
L9       62819 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L7
L10     407022 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L8
L11     445309 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L9 OR L10
L12     157640 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L3 OR STARCH
L13       8777 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L11 AND L12
L14       2277 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L13 AND (PAPER OR
               PAPERBOARD?)
L15         13 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L14 AND BASE(2A)LAYER?

L16          1 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L15 AND INK(2A)LAYER?

L17        409 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L14 AND ?LAYER?
L18          0 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L17 AND HOLDOUT(2A)LAY
               ER?
L19         39 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L17 AND RESIST?(3A)(WA
               TER? OR MOISTURE?)
L20          1 SEA FILE=REGISTRY ABB=ON  PLU=ON  CELLULOSE/CN
L21     343313 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L20 OR CELLULOSE
L22         11 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L19 AND L21
L23          1 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L4
L24     314870 SEA FILE=HCAPLUS ABB=ON  PLU=ON  ?ACRYLIC? OR ?METHACRY
               LIC?
L25       6774 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L24 AND L12
L26       1053 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L25 AND ?LAYER?
L27        425 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L26 AND (PAPER? OR
               PAPERBOARD? OR PAPER(W)BOARD?)
L28         47 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L27 AND RESIST?(3A)(WA
               TER? OR MOISTURE?)
L29          8 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L28 AND L21
L30          2 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L28 AND INK(2A)?LAYER?

L31     587160 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L11 OR L24
L32      42690 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L31 AND (SIZE OR
               SIZING)
L33       1819 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L32 AND L12
L34        752 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L33 AND (PAPER? OR
               PAPERBOARD? OR PAPER(W)BOARD?)
L35         20 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L34 AND INK(2A)?LAYER?

L36         12 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L35 AND L21
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L37      55 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L15 OR L16 OR L18 OR
            L19 OR L22 OR L23 OR L29 OR L30
L38       7 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L37 AND INK(2A)?LAYER?

L39       4 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L38 AND L21
L40      13 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L36 OR L39
L41      10 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L34 AND PRINT?(2A)?LAY
            ER?
L42       5 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L37 AND PRINT?(2A)?LAY
            ER?
L43      13 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L41 OR L42
L44       4 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L43 AND L21
L45      13 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L40 OR L44
L46      12 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L41 OR L42 NOT L45
L47     797 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L34 OR L37
L48      32 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L47 AND (INK? OR
            PRINT?)(3A)?LAYER?
L49      21 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L48 AND (BASE? OR
            HOLDOUT? OR RECEPTIV? OR RECEIV?)
L50      11 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L49 AND L21
L51   43724 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L31 AND (SIZE# OR
            SIZING)
L52    4122 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L51 AND (PAPER OR
            PAPER(W)BOARD? OR PAPERBOARD?)
L53     297 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L52 AND RESIST?(3A)(WA
            TER? OR MOISTUR? OR MILDEW?)
L54      27 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L53 AND (INK? OR
            PRINT?)(3A)?LAYER?
L55       3 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L54 AND L21
L56      13 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L54 AND (BASE? OR
            HOLDOUT? OR RECEPTIV? OR RECEIV?)
L57      14 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L45 OR L50 OR L55
L58      25 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L46 OR L56
L59      15 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L58 AND CELLUL?/SC,SX

L60       9 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L57 AND CELLUL?/SC,SX

L61      20 SEA FILE=HCAPLUS ABB=ON   PLU=ON   L59 OR L60
L62  151326 SEA FILE=WPIX ABB=ON   PLU=ON   ?ACRYLIC? OR ?METHACRYLIC
            ?
L63   52133 SEA FILE=WPIX ABB=ON   PLU=ON   STARCH?
L64  104012 SEA FILE=WPIX ABB=ON   PLU=ON   CELLULOSE?
L65    2540 SEA FILE=WPIX ABB=ON   PLU=ON   L62 AND L63 AND L64
L66     436 SEA FILE=WPIX ABB=ON   PLU=ON   L65 AND (PAPER OR
            PAPER(W)BOARD? OR PAPERBOARD?)
L67      48 SEA FILE=WPIX ABB=ON   PLU=ON   L66 AND RESIST?(3A)(WATER
            ? OR MOISTUR? OR MILDEW?)
L68      13 SEA FILE=WPIX ABB=ON   PLU=ON   L67 AND (INK? OR
            PRINT?)(3A)?LAYER?
L70       6 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON   L66 AND RESIST?(3A)
            (WATER? OR MOISTUR? OR MILDEW?)
L71   12721 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON   POLYACRYLIC? OR
            ACRYLIC? OR METHACRYLIC? OR POLYMETHACRYLIC?
L72     165 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON   L71 AND L63 AND
            L64
L73      96 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON   L72 AND (PAPER OR
            PAPER(W)BOARD? OR PAPERBOARD?)
L74       6 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON   L73 AND RESIST?(3A)
            (WATER? OR MOISTUR? OR MILDEW?)
L75       6 SEA FILE=PAPERCHEM2 ABB=ON  PLU=ON   L70 OR L74
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USHA SHRESTHA EIC 1700 REM 4B28

L76   1 SEA FILE=PIRA ABB=ON PLU=ON L73 AND RESIST?(3A)(WATER
          ? OR MOISTUR? OR MILDEW?)
L77   1 SEA FILE=JAPIO ABB=ON PLU=ON L73 AND RESIST?(3A)(WATE
          R? OR MOISTUR? OR MILDEW?)
L78   0 SEA FILE=JICST-EPLUS ABB=ON PLU=ON L73 AND RESIST?(3A
)(WATER? OR MOISTUR? OR MILDEW?)
L79   41 DUP REM L61 L68 L75 L76 L77 L78 (0 DUPLICATES REMOVED)

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L7    ANSWER 2 OF 2  CAPLUS  COPYRIGHT 2006 ACS on STN
AN    1957:41297  CAPLUS
DN    51:41297
OREF  51:7715h-i,7716a
ED    Entered STN:  22 Apr 2001
TI    Acrylic emulsion binders in paper and paperboard
      coatings
AU    McLaughlin, P. J.; Schucker, F. L.
CS    Rohm & Haas Co., Philadelphia, PA
SO    Tappi (1957), 40, 146-51
DT    Journal
LA    Unavailable
CC    23 (Cellulose, Lignin, Paper, and Other Wood Products)
AB    cf. C.A. 49, 9926e.  The use of acrylic emulsions (Rhoplex AC-33
      and B-60K) as binders in paperboard coatings gives high coating
      weight and good covering, and papers so coated can be printed with excellent
      fine-line definition.  However, when high tack inks (I) are used in
      printing greater bonding strength is required.  Failure during printing
      with I is almost entirely at the interface between coating and substrate,
      because of inadequate adhesion between the coating and the cellulose, due
      to the low penetrability of the substrate by the emulsion polymers (II).
      To overcome this failure of mech. binding, dispersions must be applied
      which will deform the particles of II and flow into close contact with the
      paper surface; this requires functional groups in the polymers capable of
      specific adhesion to cellulose.  Rhoplex B-15 fulfills these requirements.
      Its use with α-protein or  starch results in better
      printing quality with no dilution of coating strength.  Pigmented coatings
      based on Rhoplex B-15 or B-60K also show excellent varnish holdout without
      loss of ink receptivity.
IT    Paper
        Paperboard
          (coatings for, acrylic acid binders for, to increase
          printability)
IT    Coating(s)
          (for paper, acrylic acid binders for, to increase
          printability)
IT    Paper
          (strength of, acrylic acid polymer effect on)
IT    79-10-7, Acrylic acid
          (as paper- and paperboard-coating binder, to increase
          printability)
IT    9009-83-0, Rhoplex B-60K   9010-88-2, Rhoplex AC-33   25133-97-5, Rhoplex
      B-15
          (as paper-coating binder, to increase printability)
IT    79-10-7, Acrylic acid
          (effect on paper strength)


=> FIL STNGUIDE
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